SEQUENCE LISTING

5	(1) GENE	RAL INFORMATION:
3	(i)	APPLICANT: Jacobs, Cindy A.
10	(ii)	TITLE OF INVENTION: Method of Treating TNF-Dependent Inflammation Using Tumor Necrosis Factor Antagonists
10	(iii)	NUMBER OF SEQUENCES: 5
15	(iv)	CORRESPONDENCE ADDRESS: (A) ADDRESSEE: Immunex Corporation (B) STREET: 51 University Street (C) CITY: Seattle (D) STATE: Washington (E) COUNTRY: U.S.A. (F) ZIP: 98101
25	(v)	COMPUTER READABLE FORM: (A) MEDIUM TYPE: Floppy disk (B) COMPUTER: IBM PC compatible (C) OPERATING SYSTEM: PC-DOS/MS-DOS (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
30	(vi)	CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: (B) FILING DATE: (C) CLASSIFICATION:
35	(viii)	ATTORNEY/AGENT INFORMATION: (A) NAME: Wight, Christopher L. (B) REGISTRATION NUMBER: 31,680 (C) REFERENCE/DOCKET NUMBER: 2503
40	(ix)	TELECOMMUNICATION INFORMATION: (A) TELEPHONE: (206) 587-0430 (B) TELEFAX: (206) 587-0606
	(2) INFO	RMATION FOR SEQ ID NO:1:
45	(i)	SEQUENCE CHARACTERISTICS: (A) LENGTH: 1641 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
50	(ii)	MOLECULE TYPE: cDNA
	(iii)	HYPOTHETICAL: NO
55	(iv)	ANTI-SENSE: NO
60	(vi)	ORIGINAL SOURCE: (A) ORGANISM: Homo sapiens (G) CELL TYPE: Fibroblast (H) CELL LINE: WI-26 VA4
00	(vii)	<pre>IMMEDIATE SOURCE: (A) LIBRARY: WI-26 VA4 (B) CLONE: Clone 1</pre>

	(ix) FEATURE: (A) NAME/KEY: CDS (B) LOCATION: 881473														
5	<pre>(ix) FEATURE: (A) NAME/KEY: mat_peptide (B) LOCATION: 1541470</pre>														
10	<pre>(ix) FEATURE: (A) NAME/KEY: sig_peptide (B) LOCATION: 88153</pre>														
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:														
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25	GCG CTG GCC GTC GGA CTG GAG CTC TGG GCT GCG GCG CAC GCC TTG CCC Ala Leu Ala Val Gly Leu Glu Leu Trp Ala Ala Ala His Ala Leu Pro -10 -5 1														
	GCC CAG GTG GCA TTT ACA CCC TAC GCC CCG GAG CCC GGG AGC ACA TGC Ala Gln Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser Thr Cys 5 10 15														
30	CGG CTC AGA GAA TAC TAT GAC CAG ACA GCT CAG ATG TGC TGC AGC AAA Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys Ser Lys 20 25 30														
35	TGC TCG CCG GGC CAA CAT GCA AAA GTC TTC TGT ACC AAG ACC TCG GAC Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr Ser Asp 35 40 45 50														
40	ACC GTG TGT GAC TCC TGT GAG GAC AGC ACA TAC ACC CAG CTC TGG AAC Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu Trp Asn 55 60 65														
45	TGG GTT CCC GAG TGC TTG AGC TGT GGC TCC CGC TGT AGC TCT GAC CAG Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser Asp Gln 70 75 80														

60

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159

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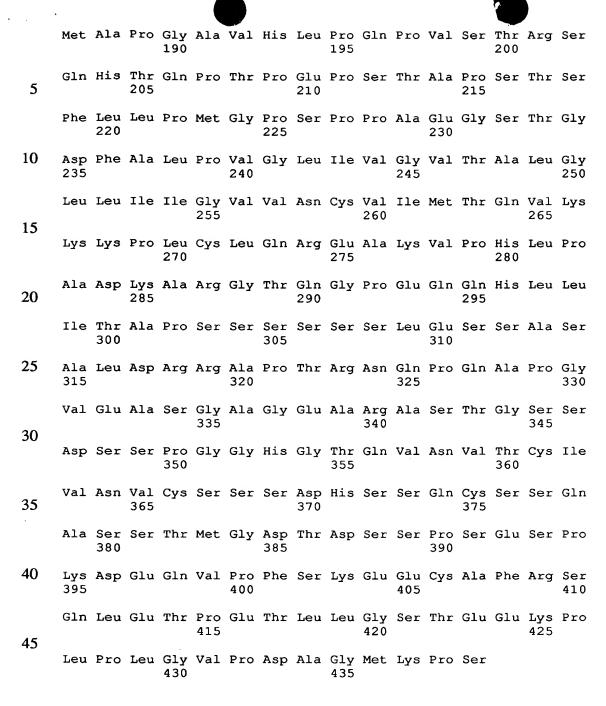
255 AA Ьys SAC 303 sp 50 AC 351 sn 399 CAG 3ln 45 GTG GAA ACT CAA GCC TGC ACT CGG GAA CAG AAC CGC ATC TGC ACC TGC 447 Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys 85 90 50 AGG CCC GGC TGG TAC TGC GCG CTG AGC AAG CAG GAG GGG TGC CGG CTG 495 Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys Arg Leu 105 TGC GCG CCG CTG CGC AAG TGC CGC CCG GGC TTC GGC GTG GCC AGA CCA 543 55 Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala Arg Pro 120 125 GGA ACT GAA ACA TCA GAC GTG GTG TGC AAG CCC TGT GCC CCG GGG ACG 591 Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro Gly Thr 60 140 TTC TCC AAC ACG ACT TCA TCC ACG GAT ATT TGC AGG CCC CAC CAG ATC 639 Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg Pro His Gln Ile 150 65

	,		•					- 10	7	
					GGG Gly 170					687
5					AGT Ser					735
10					TCC Ser					783
15					TCC Ser					831
20					GGC Gly					879
20					GGT Gly 250					927
25					AAA Lys					975
30					CCT Pro					1023
35					CTG Leu					1071
40					AGT Ser					1119
40					GGC Gly 330					1167
45					TCA Ser					1215
50					ATC Ile					1263
55					CAA Gln					1311
60					CCG Pro					1359
					TCA Ser 410					1407



	CTG GGG AGC ACC GAA GAG AAG CCC CTG CCC CTT GGA GTG CCT GAT GCT Leu Gly Ser Thr Glu Glu Lys Pro Leu Pro Leu Gly Val Pro Asp Ala 420 425 430	1455												
5	GGG ATG AAG CCC AGT TAACCAGGCC GGTGTGGGCT GTGTCGTAGC CAAGGTGGGC Gly Met Lys Pro Ser 435	1510												
10	TGAGCCCTGG CAGGATGACC CTGCGAAGGG GCCCTGGTCC TTCCAGGCCC CCACCACTAG	1570												
10	GACTCTGAGG CTCTTTCTGG GCCAAGTTCC TCTAGTGCCC TCCACAGCCG CAGCCTCCCT	1630												
	CTGACCTGCA G													
15	(2) INFORMATION FOR SEQ ID NO:2:													
20	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 461 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear													
(ii) MOLECULE TYPE: protein														
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:													
	Met Ala Pro Val Ala Val Trp Ala Ala Leu Ala Val Gly Leu Glu Leu -22 -20 -15 -10													
30	Trp Ala Ala Ala His Ala Leu Pro Ala Gln Val Ala Phe Thr Pro Tyr -5 1 5 10													
35	Ala Pro Glu Pro Gly Ser Thr Cys Arg Leu Arg Glu Tyr Tyr Asp Gln 15 20 25													
	Thr Ala Gln Met Cys Cys Ser Lys Cys Ser Pro Gly Gln His Ala Lys 30 35 40													
40	Val Phe Cys Thr Lys Thr Ser Asp Thr Val Cys Asp Ser Cys Glu Asp 45 50 55													
	Ser Thr Tyr Thr Gln Leu Trp Asn Trp Val Pro Glu Cys Leu Ser Cys 60 65 70													
45	Gly Ser Arg Cys Ser Ser Asp Gln Val Glu Thr Gln Ala Cys Thr Arg 75 80 85 90													
50	Glu Gln Asn Arg Ile Cys Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu 95 100 105													
50	Ser Lys Gln Glu Gly Cys Arg Leu Cys Ala Pro Leu Arg Lys Cys Arg 110 115 120													
55	Pro Gly Phe Gly Val Ala Arg Pro Gly Thr Glu Thr Ser Asp Val Val 125 130 135													
	Cys Lys Pro Cys Ala Pro Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr 140 145 150													
60	Asp Ile Cys Arg Pro His Gln Ile Cys Asn Val Val Ala Ile Pro Gly 155 160 165 170													
65	Asn Ala Ser Met Asp Ala Val Cys Thr Ser Thr Ser Pro Thr Arg Ser 175 180 185													
65														

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- 50 (2) INFORMATION FOR SEQ ID NO:3:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1557 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: cDNA
- 60 (iii) HYPOTHETICAL: NO

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(iv) ANTI-SENSE: NO





(vii) IMMEDIATE SOURCE:

(B) CLONE: TNFR/Fc Fusion Protein

(ix) FEATURE:

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(A) NAME/KEY: CDS
(B) LOCATION: 1..1557

(ix) FEATURE:

(A) NAME/KEY: mat_peptide
(B) LOCATION: 1..1554

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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15			GCA Ala							48
20			GCA Ala 20							96
25			TGG Trp							144
30			TTG Leu							192
30			ACA Thr							240
35			AGC Ser							288
40			TCG Ser 100							336
45			TGG Trp							384
50			GAC Asp							432
50			ACC Thr							480
55			CGG Arg							528
60			AGA Arg 180							576
65			GGG Gly							624



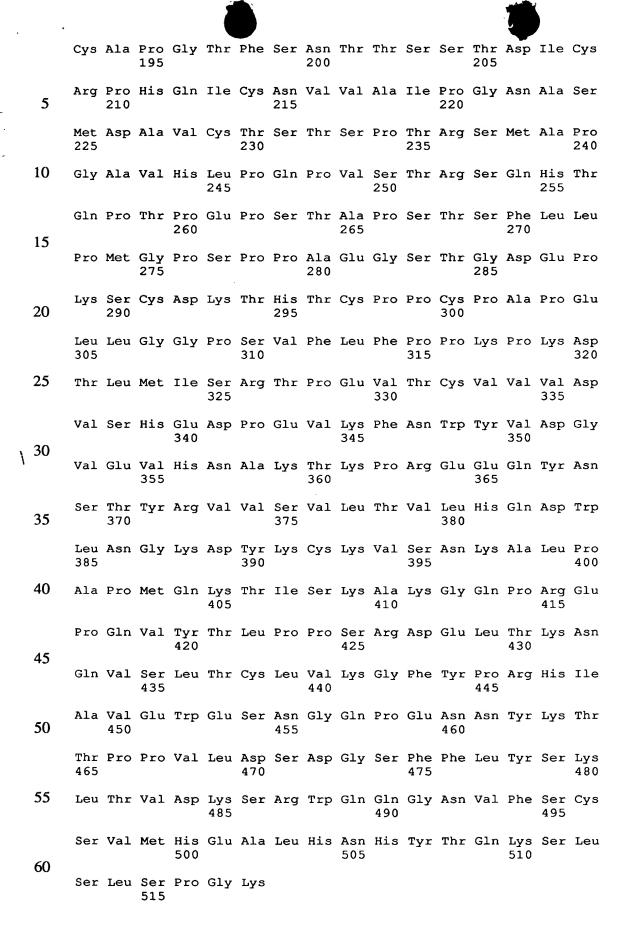
5						CCT Pro 220			672
3						CGG Arg			720
10						CGA Arg			768
15						ACC Thr			816
20						ACT Thr			864
25						TGC Cys 300			912
						CCA Pro			960
30						TGC Cys			1008
35						TGG Trp			1056
40						GAG Glu			1104
45						CTG Leu 380			1152
						AAC Asn			1200
50						GGG Gly			1248
55						GAG Glu			1296
60						TAT Tyr			1344
65						AAC Asn 460			1392

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									GGC Gly								1440
5									CAG Gln								1488
10									AAC Asn 505								1536
15			TCT Ser 515				TGA										1557
20	(2) INFORMATION FOR SEQ ID NO:4: 20 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 518 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear																
25		(:	ii) N														
	(ii) MOLECULE TYPE: protein (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:																
30	Ala 1								Gly				Arg	Gly	Arg 15	Glu	
	Gly	Ala	Arg	Ala 20	Gly	Gly	Asn	Arg	Thr 25	Pro	Pro	Ala	Ser	Met 30	Ala	Pro	
35	Val	Ala	Val 35	Trp	Ala	Ala	Leu	Ala 40	Val	Gly	Leu	Glu	Leu 45	Trp	Ala	Ala	
40	Ala	His 50	Ala	Leu	Pro	Ala	Gln 55	Val	Ala	Phe	Thr	Pro 60	Tyr	Ala	Pro	Glu	
	Pro 65	Gly	Ser	Thr	Cys	Arg 70	Leu	Arg	Glu	Tyr	Tyr 75	Asp	Gln	Thr	Ala	Gln 80	
45	Met	Cys	Суз	Ser	Lys 85	Cys	Ser	Pro	Gly	Gln 90	His	Ala	Lys	Val	Phe 95	Cys	
	Thr	Lys	Thr	Ser 100	Asp	Thr	Val	Cys	Asp 105	Ser	Cys	Glu	Asp	Ser 110	Thr	Tyr	
50	Thr	Gln	Leu 115	Trp	Asn	Trp	Val	Pro 120	Glu	Суз	Leu	Ser	Cys 125	Gly	Ser	Arg	
55	Cys	Ser 130	Ser	Asp	Gln	Val	Glu 135	Thr	Gln	Ala	Cys	Thr 140	Arg	Glu	Gln	Asn	
55	Arg 145	Ile	Суз	Thr	Cys	Arg 150	Pro	Gly	Trp	Tyr	Cys 155	Ala	Leu	Ser	Lys	Gln 160	
60	Glu	Gly	Суз	Arg	Leu 165	Cys	Ala	Pro	Leu	Arg 170	Lys	Суз	Arg	Pro	Gly 175	Phe	
	Gly	Val	Ala	Arg 180	Pro	Gly	Thr	Glu	Thr 185	Ser	Asp	Val	Val	Cys 190	Lys	Pro	







(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 22 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

10 (iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: YES

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(vii) IMMEDIATE SOURCE:

(B) CLONE: oligonucleotide

20 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CGGTACGTGC TGTTGTTACT GC

22